

## Claims

[c1] 1. A driving method for a pixel array, at least one row of the pixel array comprising a plurality of pixel sets, and at least one of the pixel sets comprising a plurality of pixels, the driving method comprising:

providing a plurality of voltages having substantially same phase to a plurality of pixel electrodes of the pixels of one of the pixel sets;

providing at least two voltages with phases substantially opposite to each other to the pixel electrodes of the pixels of two of the adjacent pixel sets respectively;

driving two adjacent pixels in two of the pixel sets respectively by a gate line; and

driving a first pixel in one of the pixel set and another pixel in an adjacent column of the first pixel set by another gate line, wherein a phase of a voltage of a pixel electrode of the first pixel and a phase of a voltage of a pixel electrode of the another pixel are substantially different.

[c2] 2. The driving method of claim 1, wherein each of the pixel sets comprises three pixels.

[c3] 3. The driving method of claim 1, wherein a number of

the pixels of each of the pixel set is  $3 \times M$ , wherein  $M$  is a positive integer.

- [c4] 4. The driving method of claim 1, wherein the other pixel is disposed in an adjacent row of the first pixel.
- [c5] 5. A driving method for a pixel array, each row of the pixel array comprising at least one pixel set, at least one of the pixel set comprising a plurality of pixels, and each pixel set corresponding to a data line set having a same pixel number as the pixel set, the driving method comprising:
  - determining whether a prior data line and a recent data line belong to same data line set or not;
  - wherein when the prior data line and the recent data line do not belong to same data line set, the recent data line is used to drive the pixel disposed after the pixel is driven by the prior data line; and
  - when the prior data line and the recent data line belong to same data line set, the recent data line is used to drive one of the pixel disposed in a row apart from the pixel driven by the prior data line.
- [c6] 6. The driving method of claim 5, wherein each of the pixel sets comprises three pixels.
- [c7] 7. The driving method of claim 5, wherein a number of

the pixels of each of the pixel set is  $3 \times M$ , wherein  $M$  is a positive integer.